

Delta Dam and Delta Lake (Reservoir Unit 1 and Unit 2)

OWNER

Hidalgo-Willacy Counties Water Control and Improvement District Number 1.

ENGINEER (Design)

Morgan Engineering Company.

LOCATION

Off channel from the Rio Grande in Hidalgo County, 4 miles north of Monte Alto.

DRAINAGE AREA

None. Water is diverted from the Rio Grande in Cameron County by canal with surplus water pumped to the reservoir.

DAM

Type	Earth dike
Length	12 miles ±
Height	17 ft ±

OUTLET WORKS

Gated outlet controls flow to Mestenas Canal for distribution to land under irrigation.

STATE AUTHORIZATION

Permit No. 1110 (Application No. 1174) January 9, 1930, to Union Irrigation Company allows diversion of 260,000 acre-feet of Rio Grande floodwater. The reservoir stores water that otherwise would be wasted.

RESERVOIR DATA

Capacity	25,000 acre-feet at elevation 56.5 ft above msl
Area	2,371 acres at elevation 56.5 ft above msl

There are two separate reservoirs joined by a canal.

GENERAL

First canal built	1936
Reservoir built	1939
Deliberate impoundment began	1939

